

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 37: SEPTEMBER 13 TO SEPTEMBER 19, 2021

### PAST WEEK'S TREATMENT SUMMARY

OVMAP staff continues to survey and control mosquito populations as necessary throughout the Owens Valley, and the High Country, including the Old Mammoth Lakes District. Larvacide treatments have been performed in pastureland's north, south and east of the Bishop area, including significant treatments near the Warm Springs road area. Big Pine treatment applications have gone out in pastures north of town, including the Klondike Lake area. Ongoing surveillance in the Independence and Lone Pine areas has found previous Larvacide treatments to be effective from past weeks.

The annual flushing water flows in the Gorge have ramped back down this week. Flows have increased and are holding steady on the river coming out of Pleasant Valley reservoir at around 375 cfs. OVMAP staff has been monitoring this situation closely and making treatment applications as necessary.

Our EVS traps collected 1 Mosquito Pool sample this week from the Cartago Soda Ponds trap.



The photo on the left is the net from an EVS trap with adult mosquitos trapped inside, on the right is a dipper with larvae from the Warm Springs road pastures.



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**EVS TRAP COLLECTION RESULTS**

	<i>Culex tarsalis</i>	<i>Culex erythrothorax</i>	<i>Culex freebornii</i>	<i>Anopheles franciscanus</i>	<i>Anopheles melaninon</i>	<i>Aedes nigromaculis</i>	<i>Aedes dorsalis</i>	<i>Aedes vexans</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Aberdeen	<i>No mosquitos detected</i>										0
Blackrock	2	0	0	0	0	0	0	0	0	0	2
Independence (Tree Farm)	14	0	0	0	0	0	0	0	0	0	14
Independence (Museum)	1	0	0	0	0	0	0	0	0	0	1
Alabama Gates	<i>No mosquitos detected</i>										0
Lone Pine (Trinity Slough)	9	8	0	0	0	0	0	0	0	0	17
Lone Pine (Spainhower Park)	2	0	0	0	0	0	0	0	0	0	2
Owens River Delta	<i>No mosquitos detected</i>										0
Keeler (Swimming Pool)	<i>No mosquitos detected</i>										0
Cartago (Soda Ponds)	47	11	6	0	0	0	0	0	0	0	64
LORP near Mazourka	<i>No mosquitos detected</i>										0
TOTAL	75	19	6	0	0	0	0	0	0	0	100

**ANALYSIS OF COLLECTION RESULTS**

EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. All of the eleven traps set ran well with no malfunctions.

Adult mosquito populations were down this week for the south trap run. We trapped a total of an even 100 mosquitoes from 6 different traps. A noticeable decrease in trapping results compared to the 183 collected 2 weeks ago. The Majority of the mosquitoes came from the Cartago Soda Ponds trap, collecting enough for a Mosquito Pool sample. It had 47 *Culex tarsalis*. Coming in second was the Trinity Slough trap east of Lone Pine with 9 *Culex tarsalis* and 8 *Culex erythrothorax*. A close third was the Independence Tree Farm; it had 14 *Culex tarsalis*. Both the Lone Pine Park and Black Rock traps were tied with 2 *Culex tarsalis* each. The Independence Museum only picked up 1 lonely *Culex Tarsalis*. All of the other 5 EVS traps did not produce any mosquitoes.

Our BG Sentinel traps only caught 1 mosquito this week from the Bishop Golf Course; it had 1 *Culex tarsalis*. No mosquitoes were detected in any of the other remaining BGS traps and no invasive *Aedes* species were detected.

Next week, EVS traps will be deployed along the north district run from Mammoth Lakes to Tinemaha.

**DISEASE TESTING SUMMARY**

We collected 1 Mosquito Pool sample this week from the Cartago Soda Ponds. The sample has been shipped out and the results are pending...

All 3 samples from last week have tested negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western Equine Encephalitis (WEE).